

GI65S | GI65QS

JCB

POWER PRODUCTS



Image is for illustration purpose only

DIESEL GENERATOR

FUEL OPTIMISED

ELECTRICAL				Prime		Standby		
Frequency (Hz)	Phases	Voltage (V)	kVA	kW	kVA	kW	Rated Speed (RPM)	
50	3	400/230V	150.0	120.0	165.0	132.0	1500	
60	3	380/220V	150.0	120.0	165.0	132.0	1800	
60	3	220/127V	156.0	124.8	173.3	138.6	1800	
60	3	208/120V	156.0	124.8	173.3	138.6	1800	

POWER FACTOR	
3 Phase	0.8
1 Phase	

ALL RATINGS ARE TO STANDARD REFERENCE CONDITIONS ISO 8528

Prime: This rating is for the supply of continuous electrical power, at variable load, in lieu of commercially purchase power. There is no limitation on the annual hours of operation and 10% over load power can be supplied for 1 hour in 12.

Standby: Standby Power (ESP) is the maximum output available, for up to 200 hours per year, where the average load (variable) does not exceed 70% of the standby power rating. No overload is available.

Stage I/IIA: Models are only emissions compliant at 50-Hz Prime Power in accordance with 97-68EC.

GI65S | GI65QS



FUEL CONSUMPTION				
100% Load Prime	L/h			33.4
75% Load Prime	L/h		50-Hz	25.80
50% Load Prime	L/h			17.60
100% Load Standby	L/h			36.10
100% Load Prime	L/h			33.80
75% Load Prime	L/h		60-Hz	26.60
50% Load Prime	L/h			18.60
100% Load Standby	L/h			36.40
EXHAUST SYSTEM				
Maximum Temperature 100% Standby	°C			480.00
Exhaust Gas Flow 100% Standby	m ³ /min		50-Hz	25.60
Maximum Allowed Back Pressure	mbar			40.00
Maximum Temperature 100% Standby	°C			420
Exhaust Gas Flow 100% Standby	m ³ /min		60-Hz	27.60
Maximum Allowed Back Pressure	mbar			50.00
AIR SYSTEM				
Intake Air Flow 100% Standby	Kg/h			769.00
Total Cooling Air Flow 100% Standby (@ 16 mm H ₂ O Canopy Depression)	m ³ /s		50-Hz	7.2
Alternator Fan Airflow	m ³ /s			0.32
Intake Air Flow 100% Standby	Kg/h			889.00
Total Cooling Air Flow 100% Standby (@ 16 mm H ₂ O Canopy Depression)	m ³ /s		60-Hz	7.2
Alternator Fan Airflow	m ³ /s			0.38

ENGINE			
Gross Engine Power (PRP)	1500 RPM		
	kW		145.00
Gross Engine Power (Standby)		kW	159.50
Gross Engine Power (PRP)	1800 RPM		
	kW		145.00
Gross Engine Power (Standby)		kW	159.50
JCB 672 TA2G- 145			
Manufacturer and Model			JCB 672 TA2G- 145
Fuel			Diesel
Injection			Direct
Aspiration			Turbo Charged
Cylinders			6
Bore and Stroke		mm	106 x 135
Displacement		L	7.15
Cooling			Water
Engine Oil Specification			API CH4-SAE 10W40
Compression Ratio			16.9 : 1
Engine Oil Capacity		L	28.00
Coolant Capacity		L	26.00
Governor			Electronic
Air Filter			Two stage filtration
Engine Oil Consumption	100% Load		0.1% of fuel consumed
FUEL SYSTEM			
Diesel Specification			EN590

GI65S | GI65QS



ALTERNATOR ECP34-2L/4			
Poles	4		
Winding Connections	Star		
Insulation	Class H		
Enclosure	IP23		
Exciter System	Self-regulating brushless		
Voltage Regulator	AVR		
Steady State Voltage Regulation	+/- 1.5%		
Bearing	Single bearing sealed		
Coupling	Flexible disc		
Cooling	Direct drive centrifugal blower fan		
Coating	Winding Protection Grey		
STARTING SYSTEM			
Starter Motor	kW	4.00	
Battery Capacity	Ah	110	
Auxiliary Voltage	V	24	
BATTERY FEATURES			
Battery Isolator		Δ	
Battery Type (Optional)		Sealed Lead Acid	
Battery Size (Ah)		110	
Number of Batteries		2	
Battery Charger		Δ	
Standard: ●	Not Available: x	Optional: Δ	

MECHANICAL FEATURES	
Cooling Pack	●
Air Filter	●
Mechanical Governor	x
Low Oil Pressure Sender	●
Coolant Temperature Sender	Δ
Low Oil Pressure Sensor	Δ
Oil Temperature Sender	●
Radiator Guards	●
Hot Component Guards	Δ
Water Jacket Heater	Δ
Pre-Filter with Separator	●
Internal Fuel Fill	●
3 Way Fuel Valve with Quick Connector	Δ
Industrial Silencer	●
Bunded Base	Δ
Gravity Oil Drain Pipe	Δ
Larger Fuel Filler Neck	Δ
Electronic Governor	●
Standard: ● Not Available: x Optional: Δ	

GI65S | GI65QS



ELECTRICAL FEATURES		
AVR DSR		●
AVR DER		x
Winding Protection Standard		x
Winding Protection Standard +		x
Winding Protection Grey		●
Winding Protection Total		x
Winding Protection Total +		x
MAUX		●
PMG		x
Anti-Condensation Heater		Δ
3 Pole Moulded Case Circuit Breaker		●
4 Pole Moulded Case Circuit Breaker		Δ
Earth Leakage Protection (Shunt Trip)		●
Preparation for Earth Connection		●
Optional Voltages		Δ
Synchronisation		Δ
Emergency Stop Button		●
Fuel Level Sensor		●
Standard: ● Not Available: x Optional: Δ		

JCB COMMUNICATION AND CONTROL		
DSE 4520		●
DSE 7320		Δ
DSE 8610		Δ
Live Link For Power		●
CE PACK (Optional)		
EMC Certification		●
Hot Guards		●
Belt Guards		●
Earth Leakage Relay		●
Sound Power Decal		●
EU Declaration for Engine Emissions		●
Complete Machine Declaration of Conformity		●
Standard: ● Not Available: x Optional: Δ		

REFERENCE STANDARDS	
JCB Generators are CE certified and conform to the following Directives (subject to a country requiring such standard):	
– EN 12100, BN13857, EN60204	
– 2006/42/CE Machinery safety	
– 2006/95/EC Low voltage	
– 2004/109/CE Electromagnetic compatibility	
– 2000/14/EC Sound Power Level (amended by 2005/88/EC)	
– 97/68/EC Emissions (amended by 2002/89/EC & 2004/26/EC)	
– Power according to ISO 8528 and ISO 3046	
– Ambient reference conditions 1000mbar, 25°C, 30% relative humidity ISO3046	
Information based on standard specification equipment unless otherwise stated.	

GI65S | GI65QS



WEIGHT AND DIMENSIONS – OPEN SET

Length	mm	2840
Width	mm	1030
Height	mm	1800
Shipping Volume (sea ready)	m ³	5.27
Weight*	Kg	2060

*Standard build with all fluids except fuel

WEIGHT AND DIMENSIONS – CANOPY SET

Length	mm	3800
Width	mm	1140
Height	mm	2075
Shipping Volume (sea ready)	m ³	9
Weight*	Kg	2700

*Standard build with all fluids except fuel

SOUND PRESSURE (CANOPY ONLY)

LpA (7m)	50Hz	dB(A)	68
----------	------	-------	----

FUEL SYSTEM

Diesel Specification	EN590		
Fuel Tank Capacity - Open	L	350	
Fuel Tank Capacity - Canopy	L	360	

CANOPY FEATURES

Lockable Maintenance Access Doors	●	
Control Panel Viewing Window	●	
Fork Pockets	Δ	
Single Lift Point	Δ	
Bundling	Δ	
High Density Fire Retardant Foam	●	
Yellow Paint	●	
White Paint	Δ	
Four Point Lift (non CE)	Δ	
Residential Silencer	●	
Door Stops	Δ	
Canopy Bump Stops	Δ	
Manual Oil Drain Pump	Δ	
1x32A 3 Phase / 1x16A 1 Phase Socket Box	x	
1x63A 3 Phase / 3x32A 1 Phase Socket Box	x	
1x63A 3 Phase / 1x32A 1 Phase / 2x16A 1Phase Socket Box	x	
1x32A 3 Phase / 2x16A 1 Phase Socket Box	x	
1x125A 3 Phase / 1x63A 3 Phase / 3x32A 3 Phase / 3x32A 1Phase Socket Box	Δ	
External Emergency Stop Button	●	
Standard: ●	Not Available: x	Optional: Δ